

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A low dielectric constant film comprising a film comprising at least fine diamond particles and pores, wherein said low dielectric constant film comprises at least one metal selected from the group of metals whose carbonate salt or a sulfate salt has a solubility of 1 g/100 g or less at an ambient temperature.
2. (Original) The low dielectric constant film of claim 1, wherein said metal is at least one member of the group consisting of calcium, strontium, barium, mercury, silver, lead and radium.
3. (Original) A low dielectric constant film having at least fine diamond particles and pores, wherein said low dielectric constant film is treated with an aqueous solution of a salt of at least one metal selected from the group of metals whose carbonate salt or sulfate salt has a solubility of 1 g/100 g or less at an ambient temperature.
4. (Original) The low dielectric constant film of claim 3, which is treated with an aqueous solution of a salt of at least one metal of the group consisting of calcium, strontium, barium, mercury, silver, lead and radium.
5. (Previously Presented) An electronic part comprising a low dielectric constant film according to claim 1 as at least one constituent element.
6. (Original) A low dielectric constant film comprising a film comprising at least fine diamond particles and pores, wherein the surface of said fine diamond particles has a group of a general formula of -X group which is more hydrophobic than hydroxyl group instead of hydroxyl group.
7. (Previously Presented) The low dielectric constant film of claim 6, wherein X in said general formula of -X group is at least one member selected from the group consisting

of hydrogen, fluorine, C₁ to C₄ alkoxy group, phenoxy group, o-(m- or p-)alkylphenoxy group (in which alkyl group is C₁ to C₄ alkyl group), OCOR, OCONRR', OSiR₃ [in which R and R' each represents hydrogen, C₁ to C₄ alkyl group, phenyl group or o-(m- or p-)alkylphenyl group].

8. (Previously Presented) The low dielectric constant film of claim 6, wherein X in the general formula of -X group is OSiR₃ (where R is C₁ to C₄ alkyl group).

9. (Previously Presented) An electronic part containing said dielectric constant film of claim 6 as at least one constituent element.

10. (Original) A method of manufacturing a low dielectric constant film, said method comprising the step of reacting active hydroxyl groups on the surface of fine diamond particles and a hydrophobic agent.

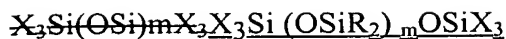
11. (Previously Presented) The method of manufacturing a low dielectric constant film of claim 10, wherein said hydrophobic agent is at least one member selected from the group consisting of hexaalkyl disilazane, trialkyl monohalogen silane, triphenyl monohalogen silane, arylated alkyl monohalogen silane, dialkyl dihalogen silane, trialkyl monomethoxy silane, triphenyl monomethoxy silane, arylated monoalkoxy alkyl silane, dialkyl dimethoxy silane and diazoalkylene.

12 (Currently Amended) A low dielectric constant film comprising a film comprising at least fine diamond particles and pores, wherein the surface of said fine diamond particles is treated with at least one single substance of the following (a) or a mixture of substances of at least one of (a) and at least one of (b) as described below:

(a) a substance represented by the general formula:



(b) a substance represented by the general formula;



(where $n = 1$ or 2 , $m = \text{an integer of } 0 \text{ to } 3, 0 \text{ to } 2$, X represents a halogen group, C_1 to C_6 alkoxy group or phenoxy group, and R represents C_1 to C_6 alkyl group).

13. (Previously Presented) The low dielectric constant film of claim 12, wherein X is at least one member selected from the group consisting of chlorine group, methoxy group and ethoxy group and R represents methyl group or ethyl group in the general formula (a) and the general formula (b).

14. (Currently Amended) The low dielectric constant film of claim 12, wherein m is 1 in m is 0 in the general formula (a) and the general formula (b).

15. (Previously Presented) The low dielectric constant film of claim 12, wherein n is 1 in the general formula (a).

16. (Previously Presented) The low dielectric constant film of claim 12, wherein said substance of the general formula (a) is at least one member selected from the group consisting of dichloro tetramethyl disiloxane, dimethoxy tetramethyl disiloxane, tetrachloro dimethyl disiloxane and tetramethoxy dimethyl disiloxane, and said substance of the general formula (b) is at least one member selected from the group consisting of hexachlorodisiloxane, hexamethoxy disiloxane and hexaethoxy disiloxane.

17. (Previously Presented) The low dielectric constant film of claim 12 wherein the surface of said fine diamond particles is treated with at least one member of the general formula (b) in which X represents a C_1 to C_6 alkoxy group or phenoxy group.

18. (Previously Presented) An electronic part comprising the low dielectric constant film of claim 12 as at least one constituent element.

19. (Previously Presented) A method of manufacturing a low dielectric constant film of claim 12, said method comprising the step of chemically reacting hydroxyl groups on

the surface of fine diamond particles and at least one single substance of (a) or a mixed substances of at least one of (a) and at least one of (b) described above.

20. (Previously Presented) The method of manufacturing a low dielectric constant film of claim 19, wherein said substance of the general formula (a) is at least one member selected from the group consisting of dichloro tetramethyl disiloxane, dimethoxy tetramethyl disiloxane, tetrachloro dimethyl disiloxane and tetramethoxy dimethyl disiloxane, and therein said substance of the general formula (b) is at least one member selected from the group consisting of hexachlordisiloxane, hexamethoxy disiloxane and hexaethoxy disiloxane.